

CLAIMS

What is claimed is:

1. A storage media controller driver auto installing method for use on a computer platform equipped with a certain type of storage media controller for the purpose of auto
5 installing a software-based driver for the storage media controller during installation of an operating system onto the computer platform;

the storage media controller driver auto installing method comprising:

checking which type of storage media controller is currently being equipped to the computer platform;

- 10 linking to a driver database which prestores a collection of an assortment of software-based drivers for a selected group of various types of storage media controllers;

retrieving a corresponding driver from the driver database that is mapped to the particular type of the storage media controller; and

- loading the retrieved driver from the driver database onto the computer platform,
15 allowing the computer platform to be capable of operating with the storage media controller.

2. The storage media controller driver auto installing method of claim 1, wherein the operating system is a UNIX operating system.

3. The storage media controller driver auto installing method of claim 1, wherein the
20 operating system is a WINDOWS operating system.

4. The storage media controller driver auto installing method of claim 1, wherein the storage media controller is an IDE-compliant RAID controller.

5. The storage media controller driver auto installing method of claim 1, wherein the storage media controller is a SCSI-compliant RAID controller.

6. A storage media controller driver auto installing system for use with a computer platform equipped with a certain type of storage media controller for the purpose of auto installing a software-based driver for the storage media controller during installation of an operating system onto the computer platform;

the storage media controller driver auto installing system comprising:

a driver database, which prestores a collection of an assortment of software-based drivers for a selected group of various types of storage media controllers;

a controller-type checking module, which is capable of checking which type of storage media controller is currently being equipped to the computer platform;

a driver retrieval module, which is capable of retrieving a corresponding driver from the driver database that is mapped to the particular type of the storage media controller; and

a driver loading module, which is capable of loading the retrieved driver from the driver database onto the computer platform, allowing the computer platform to be capable of operating with the storage media controller.

7. The storage media controller driver auto installing system of claim 6, wherein the operating system is a UNIX operating system.

8. The storage media controller driver auto installing system of claim 6, wherein the operating system is a WINDOWS operating system.

9. The storage media controller driver auto installing system of claim 6, wherein the storage media controller is an IDE-compliant RAID controller.

10. The storage media controller driver auto installing system of claim 6, wherein the storage media controller is a SCSI-compliant RAID controller.

5 11. A storage media controller driver auto installing system for use with a network server equipped with a certain type of RAID controller for the purpose of auto installing a software-based driver for the RAID controller during installation of an operating system onto the network server;

the storage media controller driver auto installing system comprising:

10 a driver database, which prestores a collection of an assortment of software-based drivers for a selected group of various types of RAID controllers;

a controller-type checking module, which is capable of checking which type of RAID controller is currently being equipped to the network server;

15 a driver retrieval module, which is capable of retrieving a corresponding driver from the driver database that is mapped to the particular type of the RAID controller; and

a driver loading module, which is capable of loading the retrieved driver from the driver database onto the network server, allowing the network server to be capable of operating with the RAID controller.

12. The storage media controller driver auto installing system of claim 11, wherein the operating system is a UNIX operating system.

13. The storage media controller driver auto installing system of claim 11, wherein the operating system is a WINDOWS operating system.

14. The storage media controller driver auto installing system of claim 11, wherein the RAID controller is an IDE-compliant RAID controller.

15. The storage media controller driver auto installing system of claim 11, wherein the RAID controller is a SCSI-compliant RAID controller.

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